Building System Video Door Phone

Usermanual

Contents

Chapter 1 Conception ····· 1
Chapter 2 BPQ CAT-5 System ····· 1
Section 1 BPQ CAT-5 System Introduction ····· 1
Section 2 BPQ CAT-5 System Outdoor Camera ····· 3
Chapter 3 System Setup ····· 4
Section 1 Outdoor camera BPQ-888-IS LCD setup ····· 4
Section 2 Outdoor camera BPQ-881I/II/III setup ····· 6
Section 3 Indoor monitor location encoding setup ····· 7
Section 4 Fence Machine Unlock Setup ····· 8
Chapter 4 System Installation Cautions ····· 9
Chapter 5 Common Fault Handling Methods ····· 13
Chapter 6 BPQ CAT-5C Management Center ····· 14
Chapter 7 Indoor Monitor ····· 18
Chapter 8 Instruction of concentrator ····· 27
Chapter 9 Power Supply ····· 29
Chapter 10 Technical Support and Service ····· 29
Chapter 11 Other Instructions ····· 30

Chapter 1 Conception

Ⅰ Building system video door phone and its project

Building system video door phone is the integrated equipment which is installed in residential area, unit buildings, office buildings and other buildings. With the function of identifying visitors by pictures and voice, controlling door release and sending help messages to management center when encountering emergency situations, and the management center can also release information to the residents.

Building system video door phone project is the process that combines and adjusts the building system video door phone by the means of cable transmission according to the relevant requirement of the weak current and the security project.

Ⅱ How to process the building system video door phone

ⅰ First of all, try to know clearly the performance, specification and installation methods of all the equipments in the building system video door phone.

ⅱ Select the model and configuration for the system equipment according to the actual situation and expected function requirements of building or the complex.

ⅲ Check and correct the layout and the electric environment of the building or the complex according to the configuration and installation requirements.

ⅳ Install and adjust the system according to the installation instruction and relevant process standard until it is acceptance.

Chapter 2 BPQ CAT-5 System

Section 1 BPQ CAT-5 System Introduction

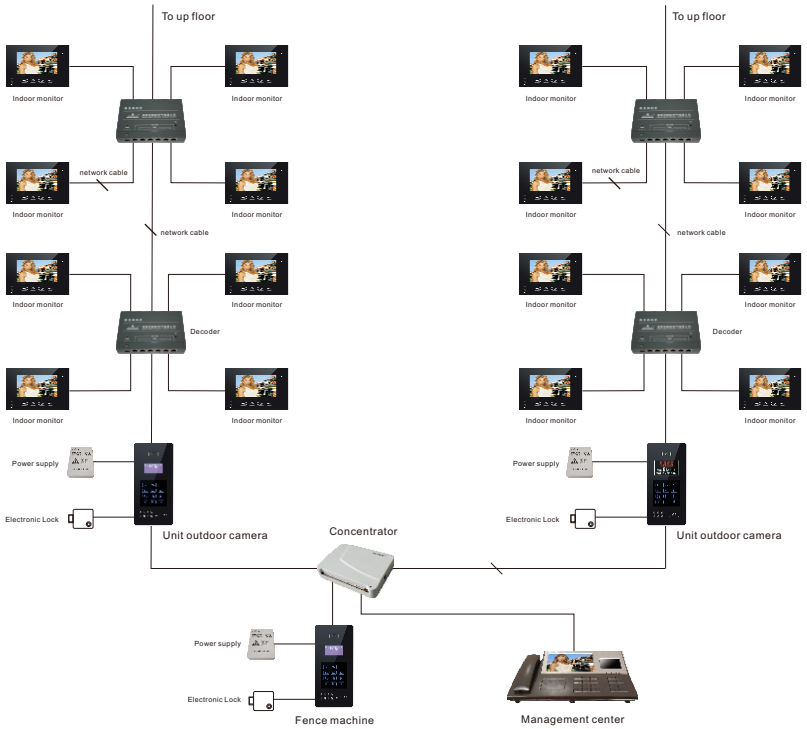
Our smart building system video door phone is made up of outdoor camera, indoor monitor, management center, decoder and other auxiliary equipments. Our outdoor camera (BPQ CAT-5) has kinds of model and function for your option according to your demands.

System function and character

- with a maximum capacity of 9999 indoor extensions
- Touch button/button, LCD/LED display for option

- CCD camera with night vision
- Controlled by the microcomputer, with simple circuit and powerful function
- Soft program and decoding way without the influence of building structure
- Bus line to the residents, fool style connection, short circuit won't affect the whole system
- Unlock with password (optional)
- IC/ID card unlock(outdoor camera with entrance control function)
- Video and audio compatible, duplex intercom
- Publish Chinese and English message
- Networking function

BPQ CAT-5 Building video door phone networking connection diagram



BPQ-887 wiring instructions:

The cable is made up of 4 twisted pair and metal shielded pair, the colors are

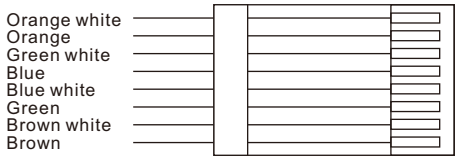
brown, brown white, green, green white, blue, blue white, orange, orange white

7p red	connect with the orange of net cable
7p yellow	connect with the green white of net cable
7p green	connect with the green of net cable
7p white	connect with the blue and blue white of net cable
7p black	connect with the orange white and metal of net cable
7p brown	connect with the brown of net cable
7p orange	connect with the brown white of net cable

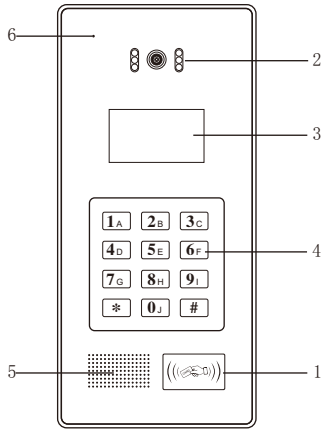
All the 7p plugs in the residential area wiring connection refers to above methods (Note: red of 7p is power positive (+) and black of 7p is power negative (-).)

Make network crystal jack as below in order: :

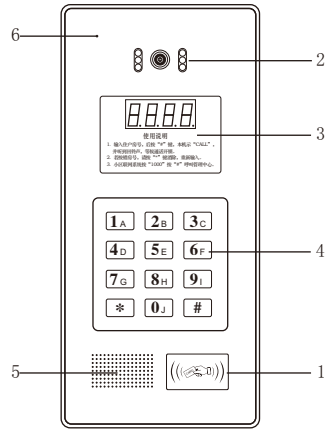
Orange white, Orange, Green white, Blue, Blue white, Green, Brown white, Brown



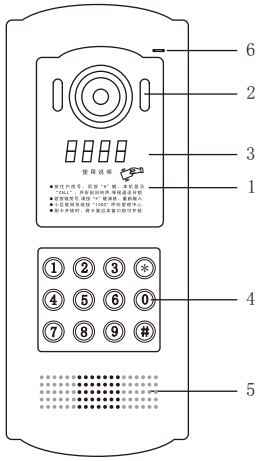
Section 2 BPQ CAT-5 System Outdoor Camera



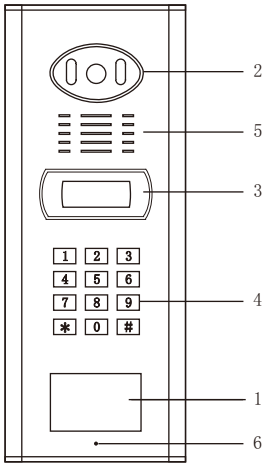
Model:BPQ-881-IS LCD



Model:BPQ-881-IS LED



Model: BPQ-881B/C/I



Model: BPQ-881B/C/III

Notes:

1. Access control 2. Camera lens 3. Display screen
4. Digital button 5. Loud speaker 6. Microphone

Chapter 3 System Setup

Section 1 Outdoor camera BPQ-888-IS LCD setup

Outdoor camera password unlock setup

1. Press "*" & "#" button on the outdoor camera at the same time until screen display existing block number. The outdoor camera enter into setting interface and press "2"(up) or "8"(down) to select unlock password setting, then press "#" . Input "8888" after hear sound of "DI".(note: the screen display 1111 now). The outdoor camera enter into unlock password setting. Then input any three numbers from 001 to 120 add 4 digital user password and press "#" button. The outdoor camera shows password setup is finished. Press "*" return to main setting interface.

2. If input wrong, press "*" to return.

(1) Password unlock: User password unlock: #+XXX (001-120 for option)XXX(four user password) (7 number total)

(2) Delete unlock password: Enter into main setting interface, press "8" to select delete unlock password, then press "#" button, input "5555"(the outdoor unit display 1111), outdoor camera shows setting success. Then press "*" return to main setting interface. (Note: If you use delete password, all outdoor camera unlock password are deleted.)

Outdoor camera unit number setup (Such as unit 1, block 11)

1. Press "*" & "#" on outdoor camera at the same time until screen display existing block number. The outdoor camera enter into setting interface and press "2"(up) or "8"(down) to select block number setting, then press "#" . Input "9027" after hear sound of "DI".(note: the screen display 1111 now). The outdoor camera enters into block number setting. Then input any three numbers from 001 to 199 and press "#" to confirm. The outdoor camera display operation success. Press "*" return to main setting interface. (The first and second number means block number and the third number means unit number.)

2. If input wrong, press "*" to return.

Outdoor camera location setup

1. Press "*" & "#" on the outdoor camera at the same time until screen display existing block number. The outdoor camera enter into setting interface and press "2"(up) or "8"(down) to select monitor serial number setting, then press "#". Input "7777" after hear sound of "DI".(note: the screen display 1111 now). The outdoor camera enters into monitor serial number setting. Then input "from 1 to 4" and press "#" to confirm. The outdoor camera display operation success. Press "*" return to main setting interface.

2. If there are two unit door in two different entrance of one block, Use "1" or "2" to be on half of different unit door, an so on.

Indoor monitor check setting

Press "*" & "#" on the outdoor camera at the same time until screen display existing block number. The outdoor camera enter into setting interface and press "2"(up) or "8"(down) to select indoor camera check setting, then press "#". Input "6666" after hear sound of "DI".(note: the screen display 1111 now). The outdoor camera enters into indoor monitor check setting. Then input "from 01 to 99" start floors and press "#" to confirm, then input "from 01 to 99" stop floors and press "#" to confirm. Input stat room number, press "#"to confirm and input stop room number, press "#" to confirm. The outdoor camera displays check situation. It will return to main setting interface after finish checking. If do not want to check, press "*" to return.

Indoor monitor check setting

Press "*" & "#" on the outdoor camera at the same time until screen display existing block number. The outdoor camera enter into setting interface and press "2"(up) or "8"(down) to select indoor camera check setting, then press "#". Input "6666" after hear sound of "DI".(note: the screen display 1111 now). The outdoor camera enters into indoor monitor check setting. Then input "from 01 to 99" start floors and press "#" to confirm, then input "from 01 to 99" stop floors and press "#" to confirm. Input stat room number, press "#"to confirm and input stop room number, press "#" to confirm. The outdoor camera displays check situation. It will return to main setting interface after finish checking. If do not want to check, press "*" to return.

Section 2 Outdoor camera BPQ-881I/II/III setup

Outdoor camera password unlock setup

Step1. Under power on status, press "*" & "#" button on the outdoor camera at the same time until screen display "CALL", FALL", OPEN" and existing block number in order.

Step2. Press "#" button immediately after hear the sound of "DI". Input "8888"(note: the screen display nothing now.) to enter into setting interface. Input random three number among "001 to 120" (These three numbers is the serial number of later input password.). Then press "#" button and input four numbers for password. Press "#" to finish outdoor camera password setup.

Step3. Password unlock

User password unlock: #+XXXX (four digital password)

How to delete outdoor camera unlock password

Under power on status, press "*" & "#" button on the outdoor camera at the same time until screen display "OPEN" and existing block number. Press "#" button immediately after hear the sound of "DI". Input "8888"(note: the screen display "1111" now.). Then press "#+128", next to press "#+8888" until screen display "OPEN" and existing block number. It means the password of outdoor camera unlock is delete successfully. (Note: This operation will delete all the previous unlock password.)

Outdoor camera unit encoding setup

Press "*" & "#" button on the outdoor camera at the same time until screen display "CALL", FALL", OPEN" and existing block number in order. Press "#" button immediately. Input "9027" after hear the sound of "DI".(note: the screen display all is "1" now.) to enter into outdoor camera location encoding setting interface. Input "111" and press "#" button.

(The first and second number means block number and the third number means unit number. Then press "#" button and screen will display "CALL", "FALL", "OPEN" until light off, it means the outdoor camera location encoding password setup is finished.)

Outdoor camera location setup

Press '*"& "#" buttons on the outdoor camera at the same time, then power on outdoor camera.(about 3 seconds) Release your hand when hear the sound of "DI". Then repress "#" and will hear the sound of "DI". Input "7777" (the screen display "1111" now) and screen will display nothing means enter into outdoor camera location setup status. Next, press "#" after input "1" (1-4 for option). Then finish the outdoor camera location setup.

If there are two unit door in two different entrance of one block, Use "1" or "2" to be on half of different unit door, an so on.

Operation of outdoor camera

1.Call indoor monitor: Input two block number and two room number of household. If dial wrong, press"*" to clean and redial. If indoor monitor exist, outdoor unit has back ringing, related indoor monitor make a ringing. If the indoor monitor answers, the back ringing of outdoor camera will stop. They start intercom about 60 seconds and hang up automatically. If no answer, it will hang up automatically after 30 seconds. If dialed number be cleaned automatically, it means the number is over this machine encode range. If the numbers are dialed but there is no back ringing, that means this indoor camera is not exist or has problem.

2.password unlock: Press "#" button first, then input 4 number of password.

3.IC/ID card unlock: Put IC/ID card close to induction window, if the card is authorized card, the outdoor camera will sound "DI" and unlock. If the card is not authorized, the outdoor camera will sound "DI" 3 times. (The outdoor camera need install access control module.)

Section 3 Indoor monitor location encoding setup

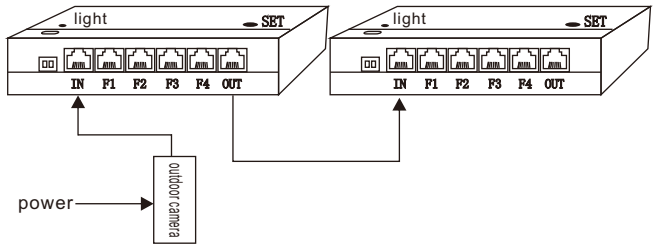
1. Well connect indoor monitor, open the cap of "SET" and press set button about 3 seconds. The indoor monitor indicate light is on after flash. Then press four room number + "# " on the outdoor camera and exit by press "*" button after hear the sound of "DU DU". It means F1 indoor monitor location setup success. The same steps for F2, F3 and F4. (note: do not exchange indoor monitor port or power off in the operation process. The setup should finish within 10 seconds since release the "set" button. Otherwise, the system will auto exit and be in standby situation.) Put the cap after 4 indoor monitors location setting

finish.

The next decoder is the same setting method as above. But you can not set the same room number for different floors.

For example, room number 0201(press "0201+"#" on the outdoor camera, and press "*" after hear the sound of "DU DU")

2. The previous data will be auto covered by new setted location code. (Ref the below picture)



left: F1:Indoor monitor1 F2:Indoor monitor2 F3:Indoor monitor3 F4:Indoor monitor4

right: F1:Indoor monitor5 F2:Indoor monitor6 F3:Indoor monitor7 F4:Indoor monitor8

Section 4 Fence Machine Unlock Setup

Fence Machine Unlock Setup

Step 1 Press "*" & "#" button on the outdoor camera at the same time, power on fence machine (about 3 seconds). When you hear sound of "DI", then release, next press "#" & "*" key immediately (method 2: Under power on status, press "*" & "#" & reset button on main board, then release when hear sound of "DI")

Step 2 Press"#" at once, when hear sound of "DI" (Note: There is nothing show on screen at this time), it means enter into fence machine password setup status, input "XXXX" four digital one time, then press "#" to finished fence machine password setting.

Step 2 Password unlock

User password unlock: #+xxxx (four digital password)

Fence machine location encode method setup

Step 1 Press '*'& "#" on the outdoor camera at the same time, power on outdoor camera (about 3 seconds). When you hear sound of "DI", then loosen (method 2: Under power on status, press "*" & "#", when outdoor camera show "CALL", "FALL", "OPEN" in

order and existing building number, please release press button.)

Step 2 Press "#" at once, input"9027" when hear sound of "DI" (Note: There is four 1111 display on screen.). If there is nothing shown on screen, it means enter into fence machine location setting status, input "XXX" and press "#" (001-250 for option), then finish the fence machine location setting. (Note: The fence machine location code can not set as alarm number of 110.)

Chapter 4 System Installation Cautions

Installation adjustment and common faults handling:

1) Please set up outdoor camera number, then set up decoder floor and room number.

2) There's a volume knob on the system board, do not adjust the volume too loud in case that it makes Whistler. There's a volume limitation of this system indoor monitor, do not try to adjust it lead to damage the knob.

3) The wiring connection should be completely correct, otherwise, it will lead the whole system. The wrong connection of the bus line may bring all of the indoor monitors in the building into failing to ring the bell. When encountering the above situation, please power off most of the floor protectors, and check one by one until you find out the fault.

4) When the outdoor camera calls the indoor monitor, if the outdoor camera display "CALL" and stop there, it means the bus line cut off or the yellow line is open circuit. If there is no bell ring, it means it fails to detect the indoor monitor. The reason may be the address code of the outdoor camera does not match with that of the indoor monitor. If it's abnormal or has no voice when the outdoor camera calls all the indoor monitors, maybe there's some wrong with the bus line.

Outdoor camera installation

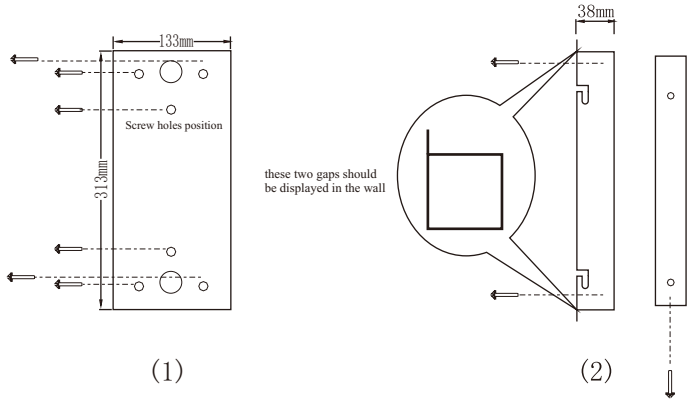
(1) Installation on the door

In the unit door, on the fixed side in general, choose a proper position and drill a installation hole, decide the size according to the outdoor station selected. The distance between the ground level and the bottom of the outdoor camera is approximately 135cm.

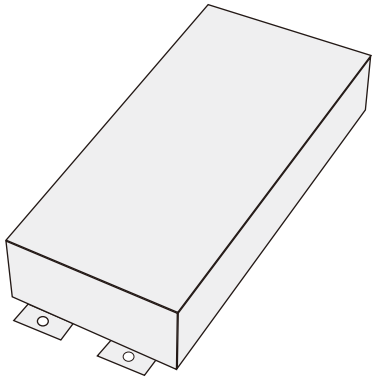
Hole (1) use the Wafer head Self tapping screw (M3X6) to fix the seal, and then get the rear cover well fixed by using the self tapping screws (M3X6) according to the direction of the arrow. Fix the door accessories on the hole (2) by using the self tapping screws.

At last, make an iron box with size of 133*313*38mm, flanging the surroundings and fix it on the hole of the iron door, to avoid of man made destruction.

As below picture shows:



The iron box is show as the below picture.

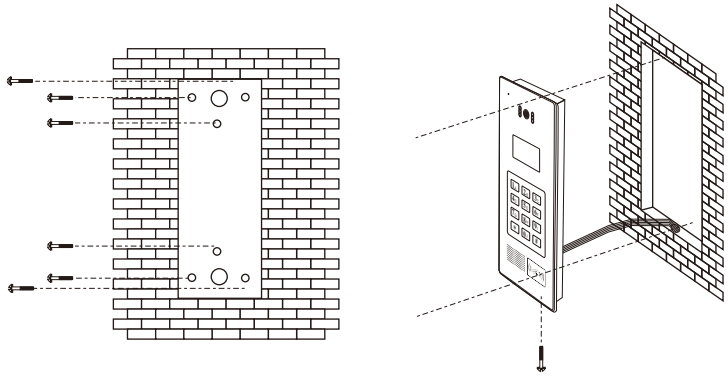


(2) Installation on the wall

Make a slot in the proper position of the wall, the size is the same as installation on the door (as above). The distance between the ground level and the bottom of the outdoor camera is approximately 135cm. Then put the embedded box into the slot and fix it, take care of the depth adjustment.

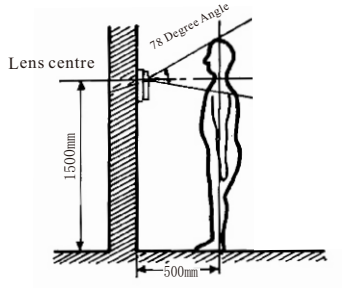
Wall mounting

Drill a hole in the wall according to the below picture, then tuck in the colloidal particle, Fix the rear cover to the wall by using the self tapping screw (M3X6), Fix it tight as the arrow direction shows, use two self tapping screws (M3X20) fix it. The installation of outdoor camera is shows as below picture.



Notice: Different type outdoor unit has different installation size and method

Standard Height of Outdoor Camera Installation



Wiring requirements:

1. All cables of system is adapts twisted shielded networking cable, the sectional area is equal or more than 0.52 square millimeter.

2. The sectional area of cable from power to outdoor camera and from outdoor camera to electric lock should be equal or more than 1 square millimeter, and the length shouldn't be more than 15m, otherwise must enlarge the cable sectional area.

System installation cautions:

• Please install outdoor camera in good visual level, supposed to be 150cm.(The height of camera lens)

• Don't install video intercom system in the following places: direct sunlight, high temperature, snow, moisture, chemical corrosion and dusty place. (Standard temperature is 0-45℃)

• Far away from the places where strong magnetic field or magnetic interference.

• Select shielded twisted pair CAT 6 for all the networking system, about shielding layer, select metal weave net.

• Shielding layer should well connected with system and handle well GND.

• Better to connect the system in series , select the iron pipe for the wiring pipe as far as possible, both ends of iron pipe have to be connect to the ground . And keep a distance of up to 50cm with high voltage cables (Such as, AC 220V, elevator wire, wired television etc) to improve anti-jamming and lightning protection ability.

• For system stable and maintenance convenient, all networking connection joint cannot be put inside pipe or wet place, solder joint should be handled, and packed with heat shrinkable tube, avoid of water and wet in order to make the system stable and check it conveniently.

• In outdoor unit wiring entrance should consider connect drip line.

• Do not be installed at a place where noise is over 65dB, otherwise, the noise from handset of indoor unit will be loud.

• Don't operate with power during installation.

• After all wires connected, check again and make sure that there is no mistakes then you can operate the system.

• When power on, if system is in abnormal situation. Please cut off power at once until problem solved.

• If system is not normal, cut off the power and check the system part by part according to <simple troubleshooting>. If cannot check out the problem, please inform agent or after-sale service department, do not repair by yourself and change parts due to system damage

• Before you use the IC or ID card for the first time on the outdoor camera with access control, you should register in the management center.

Chapter 5 Common Fault Handling Methods

1. Can not unlock

Fault coverage: unlock circuit

Fault remove and analysis

a) Check the line from outdoor camera to electronic lock

b) Check L+, L- whether has about 12V voltage output to electronic lock or not

c) Check electronic lock coil is damaged or not

2. Image flapping up and down

Fault coverage: indoor monitor video circuit

Fault analysis: Frame is not synchronism, adjust the potentiometer.

3. Outdoor camera can not call indoor monitor

Fault coverage: Decoding part

Fault analysis: Press indoor monitor “monitor” button to check whether can monitor the outside of outdoor camera or not.

If can, the last four number of indoor camera set is wrong.

If can not, the first three number of indoor monitor room number is wrong or circuit problem.

4. Have image, no voice

Fault coverage: intercom line

Fault analysis: confirm is one unit or whole units

Whole units:

a) Check outdoor camera

b) Outdoor camera intercom circuit

One unit: check indoor monitor

5. Monitor no image

Fault coverage: video parts

Fault analysis: whether can intercom and image

If can, set up outdoor camera location

If can not, CCD is damaged

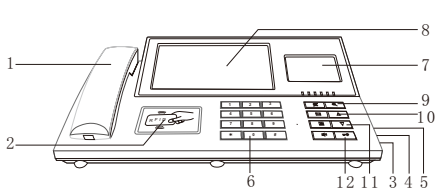
6. Outdoor camera display “CALL” and button out of work

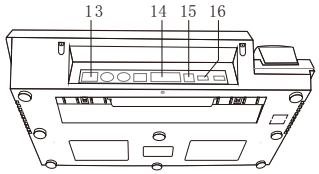
Fault coverage: system power

Yellow line of bus line is broken

Chapter 6 BPQ CAT-5C Management Center

1. Management center front and rear instruction





1. Handset receiver
2. Card read area
3. Volume adjust
4. Color saturation adjust
5. Brightness adjust
6. Number keys
7. LCD screen
8. Screen
9. Check
10. Up
11. Down
12. Unlock
13. RJ 45 Jack
14. RS232 Jack
15. Power
16. Switch

2.Function and features

- Call outdoor camera, fence machine, intercom, monitor, unlock function
- Call and intercom with little area
- English menu operation, store 32 latest alarm number
- With R232 serial port for computer controller manage alarm message, monthly print4

3.Technical data

Type: BPQ CAT-5C
æaterial: ABS plastic
Screen size:7" TFT or 4" LCD screen
Resolution: 480x320
Contrast: 400:1
Brightness: 300cd/m2
Operation method: press button
Intercom method: Pick up handset receiver

Environment temperature: -20℃-60℃
Input voltage: DC12-18V/2A
Standby current: ≤100mA
Working current: ≤450mA
Maxi. Output power: ≤6.5W
Distortion: ≤7%
Size:360x210x73mm

4.Operation instruction

Recognize LCD display

The previous three numbers are block numbers, the latter four numbers are floor and room numbers.

Unit number Room number (management centre call indoor monitor)
Unit numbers 0000 (management center call outdoor camera)

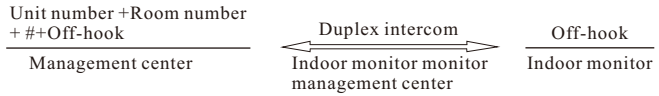
Unit number Room number (Indoor monitor call management centre, management centre display)
Unit number 0000 (Outdoor camera call management centre, management centre display)

Call function

Management centre can call indoor monitor, monitor outdoor camera and other fence machines.

A. Management centre call indoor monitor

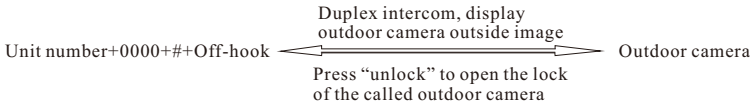
If the unit system of be called indoor monitor is free (not busy), input unit and room numbers of this indoor monitor on the management center. (total is 7 numbers). Then press "#" button, the management centre video will be open. Meanwhile, the indoor monitor is ring on and video is opened. In this case, both of management center or indoor monitor can off-hook and intercom each other.



If the unit system of be called indoor monitor is busy, it's no use for management centre to call this indoor monitor.

B. Management center monitor outdoor camera:

If the outdoor camera be called is free (not busy), input unit number and "0000" on the management center (total is 7 numbers). Then press "#" button, the management centre screen open and display outdoor camera image. Meanwhile, the management can off-hook and intercom with outdoor camera. And press "unlock" button to open the lock of called outdoor camera.



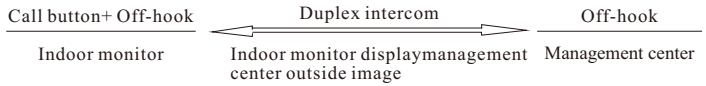
If called outdoor camera is working, it is no use for management centre to call it.

Be called function

Management centre can be called by indoor monitor, outdoor camera and fence machine in one system.

A.Indoor monitor call management center

Under hang-up status, press "call" button of indoor monitor, management centre will display its unit and room numbers, and ring "Ding-Dong" sound. If management center is free, it can intercom with indoor monitor after off-hooking. And indoor monitor screen display white. If system is busy, the indoor monitor only can send code signal to management center.



B.Outdoor camera call management center

Input "1000" on outdoor camera, then press "#" button to call management center (If it is direct-press outdoor camera, press "management centre" button.). The management center will display unit number of outdoor camera + "0000" and ring a sound of "Ding-Dong". If the management center is free, it can make intercom with outdoor camera after off-hook. Meanwhile the outdoor camera outside image is displayed on management center screen, and press "unlock" button to open the lock of calling outdoor camera.

Store alarm number function

Management center can store latest 32 alarm number (Alert)

Review alarm number function

Pressing "check" button first, then press "up or down" to look up all the stored alarming numbers.

Delete alarm numbers function

Press "Delete" button to delete displayed alarm number.

Alert indicator function

If there are many multifunctional alarm indoor monitors in the system, the probe will send alert signal to management centre after activated. And management center not only display indoor monitor number, but also "infrared" "door contact" "smoke" "gas" and "alert protection".

Connect with computer function

With R232 serial port for computer controller manage alarm message, monthly print.

Volume adjustment function

When management center intercom with outdoor camera or indoor monitor, revolve the volume adjust knob to adjust hand-free volume.

Brightness adjust function

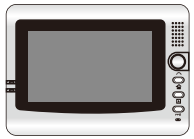
When management center display image normally, revolve brightness adjust knob to adjust the image brightness.

Contrast adjust function

When management centre displays outdoor camera image normally, revolve contrast adjust knob to adjust the image contrast.

Chapter 7 Indoor Monitor

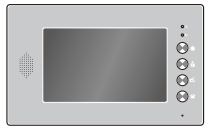
Pictures of indoor monitor



BPQ-882CL7

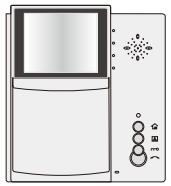
BPQ-882CT7

BPQ-882CQ7



BPQ-882CU7

BPQ-882CK43

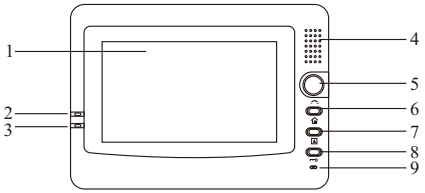


BPQ-882CS4

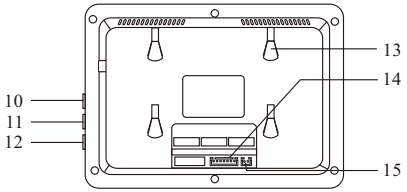
BPQ-882CF4

1. Description of indoor monitors

BPQ-882CL7



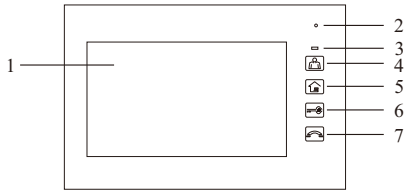
(Front face)



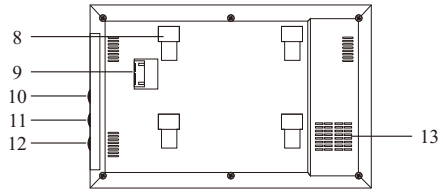
(Fear face)

1. Screen
2. Power indicator
3. Talk indicator
4. Speaker
5. Talk
6. Call
7. Monitor
8. Unlock
9. Microphone
10. Brightness adjust
11. Contrast adjust
12. Talk/ring volume adjust
13. Wall mounting hole
14. System connect port
15. Emergency button connect port

BPQ-882CT7



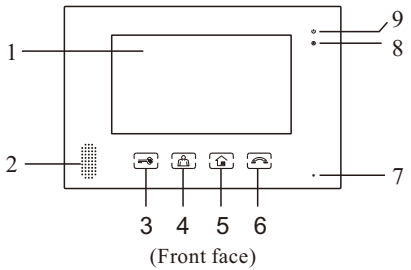
(Front face)



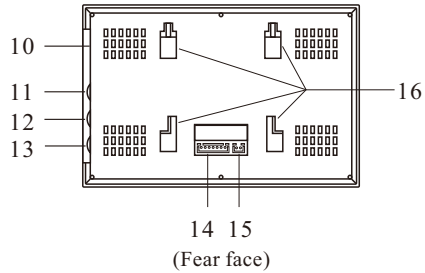
(Fear face)

1. Screen
2. Microphone
3. Power indicator
4. Monitor
5. Call
6. Unlock
7. Talk
8. Wall mounting hole
9. System connect port
10. Brightness adjust
11. Contrast adjust
12. Intercom/ring volume adjust
13. Speaker

BPQ-882CQ7



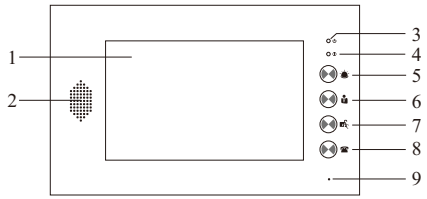
(Front face)



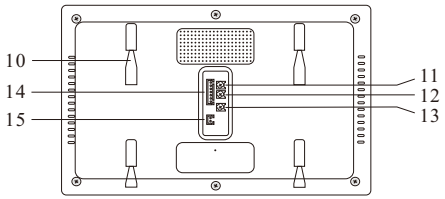
(Fear face)

1.Screen
2.Speaker
3.Unlock
4.Monitor
5.Function(Call management center)
6.Handfree/Call
7. Microphone
8.Activity indicator
9. Power indicator
10.DC input socket
11. Brightness adjust
12. Contrast adjust
13. Intercom/ring volume adjust
14.System connect port
15. Power supply
16. Wall mounting hole

BPQ-882CU7



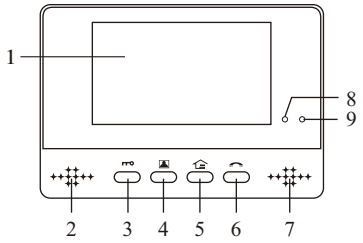
(Front face)



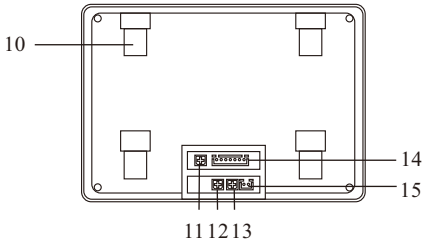
(Fear face)

1. Screen
2. Speaker
3. Microphone
4. Power indicator
5. Call
6. Talk
7. Monitor
8. Unlock
9. Microphone
10. Wall mounting hole
11. Contrast adjust
12. Brightness adjust
13. Intercom/ring volume adjust
14. System connect port
15. Emergency button connect port

BPQ-882CK43



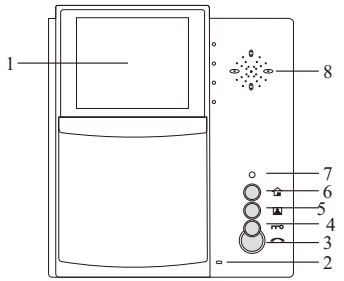
(Front face)



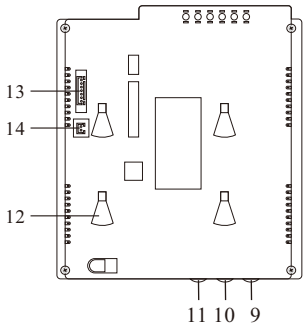
(Fear face)

1.Screen
2.Speaker
3.Unlock
4.Monitor
5.Function(Call manager center)
6.Handfree/call
7.Micorphone
8.Power indicator
9.Activity indicator
10.Wall mounting hole
11.Intercom/ring volume adjust
12. Brightness adjust
13. Contrast adjust
14. System connect port
15. Emergency button connect port

BPQ-882CS4



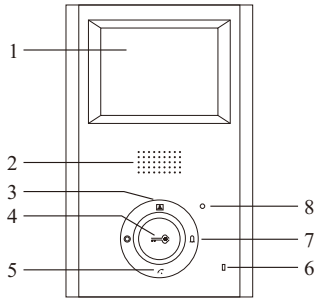
(Front face)



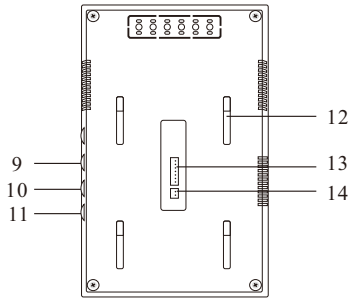
(Fear face)

1. Screen
2. Microphone
3. Talk
4. Unlock
5. Monitor
6. Call
7. Power indicator
8. Speaker
9. Intercom/ring volume adjust
10. Contrast adjust
11. Brightness adjust
12. Wall mounting hole
13. System connect port
14. Emergency button connect port

BPQ-882CF4



(Front face)



(Fear face)

1. Screen
2. Speaker
3. Monitor
4. Unlock
5. Call
6. Microphone
7. Talk
8. Power indicator
9. Intercom/ring volume adjust
10. Contrast adjust
11. Brightness adjust
12. Wall mounting hole
13. System connect port
14. Emergency button connect port

2. Function and feature of all indoor monitors

- Monitor outdoor camera outside image
- Call manage center
- Accept outdoor camera, management center, fence machine calling
- Hold conversation with outdoor camera, fence machine, control outdoor camera electronic lock
- Accept four defense zone
- Buttons removal
- Message sink
- Chinese menu operation)

3.Technical parameter:

Material:	All is ABS plastic
Working temperature:	All is -10℃-60℃
Screen size:	BPQ-882CT7\BPQ-882CU7\BPQ-882CL7 (7”); BPQ-882CK43 (4.3”); BPQ-882CF4\BPQ-882CS4 (4”).
Input voltage:	All is DC12-18V/2A
Resolution:	BPQ-882CT7\BPQ-882CU7\BPQ-882CL7 is 480x320; BPQ-882CK43 is 480x272; BPQ-882CF4\BPQ-882CS4 is 480x234.
Standby current:	All is ≤3mA
Wide and height ratio:	BPQ-882CT7,BPQ-882CU7,BPQ-882CL7, BPQ-882CK43 is 16:9; BPQ-882CF\BPQ-882CS4 is 4:3
Working current:	BPQ-882CT7: ≤150mA; BPQ-882CU7: ≤160mA; BPQ-882CL7: ≤150mA; BPQ-882CK43: ≤120mA; BPQ-882CF4: ≤130mA; BPQ-882CS4: ≤120mA
Contrast:	All is 400:1
The Maximum output power:	All is ≤5W
Brightness:	BPQ-882CT7, BPQ-882CU7, BPQ-882CL7 is 300cd/m2, BPQ-882CK43 is 220cd/m2, BPQ-882CF4, BPQ-882CS4 is 250cd/m2
Distortion:	All is ≤7%
Installation method:	All is wall mounting
Melody:	BPQ-882CT7:16 melodies, BPQ-882CU7:12 melodies,

Operation method:	BPQ-882CL7:12 melodies, BPQ-882CK43:16 melodies, BPQ-882CF4:12 melodies, BPQ-882CS4:12 melodies
Outward appearance size:	BPQ-882CT7:touch button, BPQ-882CU7: button, BPQ-882CL7:button, BPQ-882CK43:button, BPQ-882CF4:button, BPQ-882CS4:button BPQ-882CT7: 215x140x18mm, BPQ-882CU7: 238x146x23mm, BPQ-882CL7: 229x164x33mm, BPQ-882CK43: 156x108x21mm, BPQ-882CF4: 133x208x28mm, BPQ-882CS4: 191x213x51mm
Intercom method:	All is hand free

4. Operation method: (Note: All indoor monitors are the same as below)

1) Installation fix:

Firstly fix the wall mounting bracket on the wall, then well connect with system, and put indoor monitor on the bracket last.

Note: The room number has been set up by the local dealer or project dealer. If need modify it, please consult estate management, local dealer or project dealer.

2) Users answer:

After hear the sound of “Ding Dong”, press “ ” button to talk with visitor.

3) Unlock:

When visitor call the user, the user can talk with visitors by press “ ” after hear the sound of “Ding Dong”, and press “ ” button to unlock for visitor.

Note: The door can not be unlocked without user answer.

4) Melody select:

Press “ ” button first, then press “ ” button to select melody.

5) Volume adjust:

Users can revolve the volume potentiometer adjust intercom and ring volume.

6) Image adjust:

Users can revolve the brightness and contrast potentiometer to adjust the definition of image.

7) Call management center:

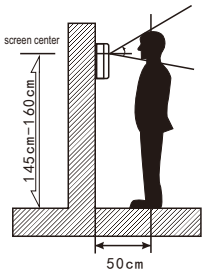
Users press “ ” button to call management center, management can pick up handset to talk with users. (Note: This function is useful only the system is networking.)

6) Monitoring outdoor camera

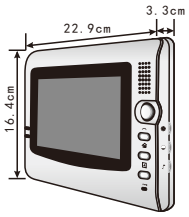
Users press “ ” button to monitor outdoor camera outside image and press it again to stop. (The image will auto shut down 15seconds later.)

5. Installation instruction

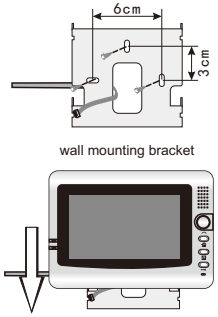
BPQ-882CL7



Standard height of indoor monitor

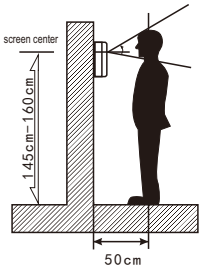


outward appearance size

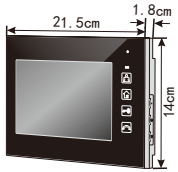


wall mounting bracket

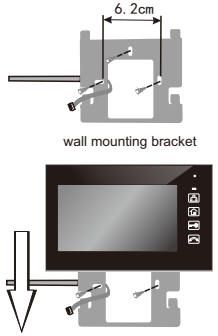
BPQ-882CT7



Standard height of indoor monitor

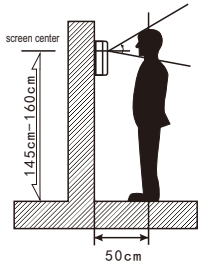


outward appearance size

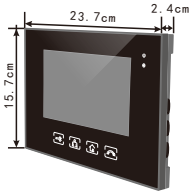


wall mounting bracket

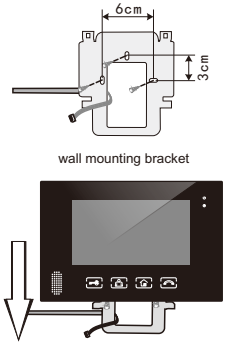
BPQ-882CQ7



Standard height of indoor monitor

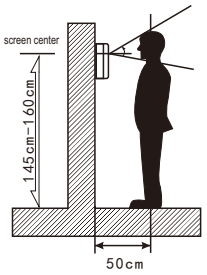


outward appearance size

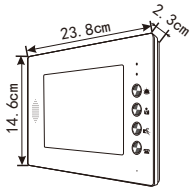


wall mounting bracket

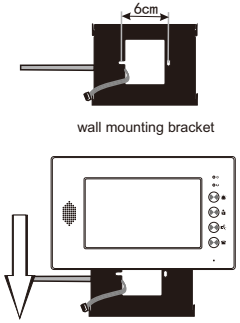
BPQ-882CU7



Standard height of indoor monitor

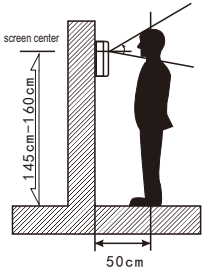


outward appearance size

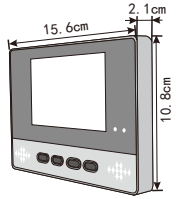


wall mounting bracket

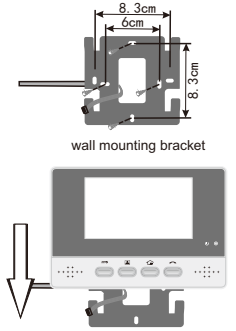
BPQ-882CK43



Standard height of indoor monitor

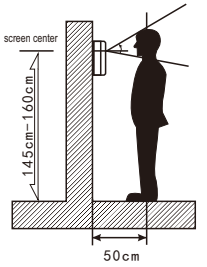


outward appearance size

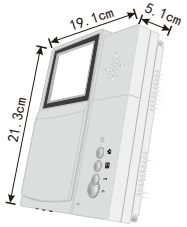


wall mounting bracket

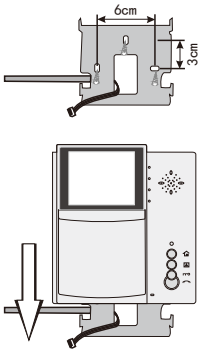
BPQ-882CS4



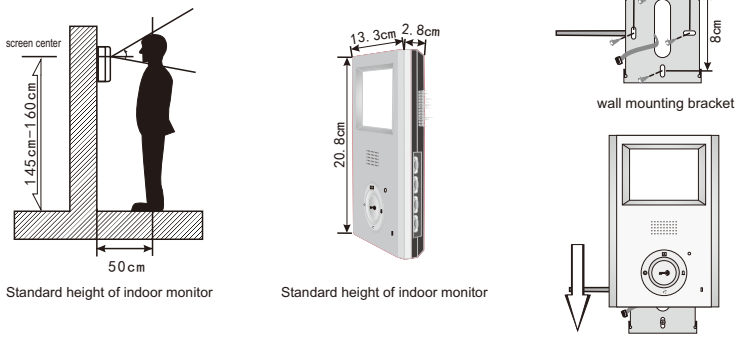
Standard height of indoor monitor



outward appearance size



BPQ-882CF4



Standard height of indoor monitor

Standard height of indoor monitor

(1) Fix the wall mounting bracket on the wall with 3 self tapping screws at the standard height of 145-160cm.

(2) Insert the connector on the back of indoor monitor and put indoor monitor on the bracket.

6. Setup of indoor monitor location code (room number)

1.Under standby situation with power on, press "unlock" button about 5 seconds, the status indicator is not on first, then it will flash 2 times and off, release "unlock" button. It means enter into room number setup status.

2. The 7 numbers of location codes is auto start from block number (the first one). The "monitor" button is counting button. Press it one time means number "1", press it two time means number "2", and so on. If do not press "monitor" button, it means number "0". The "unlock" button is confirm button. Please press "unlock" button one time after press "monitor" button to confirm number value, now the line busy indicator flash 2 seconds, it means this code is confirmed.

3. When you finish the location code setup, the status indicator will auto flash 5 times and on long time. It means that the setting is success and return to standby status automatically.

For example: the location code is 0680801(It means block 6, unit 8, room number 0801). Please setup as below steps.

Press "unlock" button about 5 seconds→press "unlock" button (number " 0 " is set)→ press "monitor" button 6 times→ press "unlock" button (number " 6 " is set)→ press "monitor" button 8 times→ press" unlock" button (number " 8 " is set)→ press "unlock button

(" 0 " is set)→press "monitor" button 8 times)→press "unlock" button (number " 8 " is set)→ press "unlock" button (number " 0 " is set)→press "monitor" button 1 time→press "unlock" button (number " 1 " is set)。

Notes:

1、 Press button one time, the status indicator on and off one time. It means the each pressing of button is efficient.

2、The time between two pressing of button should less than 10seconds, otherwise, it will return to static state automatically.

3. The new location code will auto coverage the old ones.

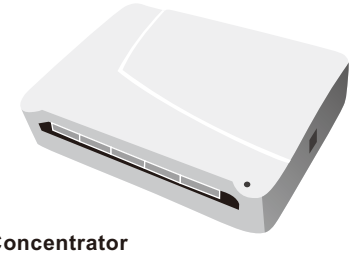
4. If the system is not networking, the block number is default as 111. The first unit of one block, the unit number is 1. The second unit of one block, the unit number is 2. The third unit of one block, the unit number is 3, and so on.

5. The all of 7 numbers of location codes should be input, otherwise, the location code is not validity. If you quit in the midway, the numbers that set are not validity. The default location code of indoor unit is "1111111".

7. The indoor monitor should far away the following places:

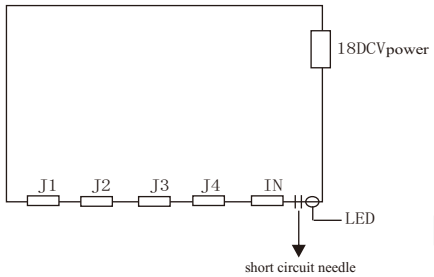
- Direct sunlight shooting
- High temperature or low temperature environment(standard temperature0-45℃)
- Leaking or moist environment
- Dust or air pollution serious
- Back noise more than 65dB
- Strong magnetic field (such as near loud speaker without shielding)
- Electromagnetic interference serious (such as motor)

Chapter 8 Instruction of concentrator

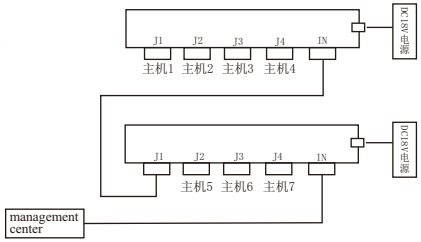


Concentrator

Plane graph



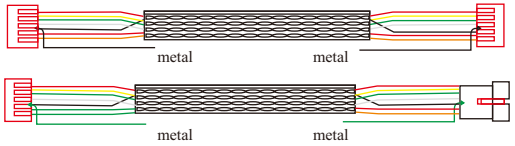
Connect graph



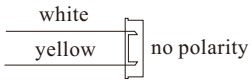
J1:outdoor unit 1
J2:outdoor unit 2
J3:outdoor unit 3
J4:outdoor unit 4
J2:outdoor unit 5
J3:outdoor unit 6
J4:outdoor unit 7

Wiring of concentrator

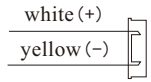
Wiring instruction



(1)White yellow line: connect with electric control or electromagnetic lock

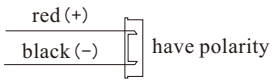


电控锁2芯对应接头



磁力锁2芯对应接头

(2) Red black line: connect with power



1.IN Port:

Connect with bus line, the port of J1, J2, J3, J4 connect with outdoor unit and fence machine.

2.If need 2 or more concentrators, it can connect in serial.

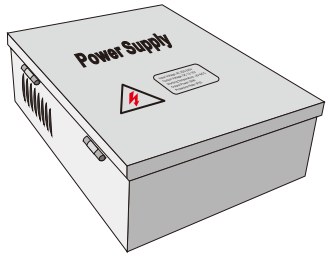
Method: Take one port among of J1, J2, J3,J4 of the concentrator that connect with management center as output port for next concentrator. And it is the similar way for more concentrator connection.

The management center has been setup before delivery.

If need down load concentrator data, please visit our company website of www.szauskay.com to down load.

Chapter 9 Power Supply

1. Picture of power supply



2. Specifications:

Input Voltage: AC 220-240V
Output Voltage: DC 12-18V
Working Temperature: -20~60°C
Output Power: 50W
Protection Rate: IP33

Chapter 10 Technical Support and Service

1.“Auskay” products insist on pre-sale, sale, after-sale service policy in the whole process. Before confirm the project solution, please read this manual instruction carefully, then consult and confirm with technical person of our branch office or agent, large area networking or special project can consult directly with head office technical support center.

2.When install and adjustment these products, please conduct according to this manual instruction strictly. If there is difficulty, please contact with our branch office or agent. For special problem, please contact with our technical person of head office.

3.The explanation rights of this manual instruction is own to Shezhen Auskay Smart Electricity Co., Ltd. Any question in the process of using on engineering guidance, please call our market service center

4.Technical support hotline

Tel: +86-0755-89496513

Fax: +86-0755-89494542

Chapter 11 Other Instructions

Transportation:

This products should be transport in the condition of good package, do not transport unpacked. Avoid of bBPQ, snow, dust and mechanical damage.

Store

Well packed products should stored in environment temperature of 10°C~40°C. Relative humidity no more than 80%, no corrosive gas, ventilated indoor or warehouse.

Statement

Although our product is a kind of advanced alarm equipment, but if there is artificial damage or system failure will influence system work. According to the alarm information from this equipment, only can reduce suffer loss from theft, rob, fire, gas leak etc, but not guarantee no mistake. Our company assume no responsibility of user's suffer loss from theft, fire etc. for relative reason to claim for compensation from our company. The maximum compensation limit is less than products prices.